



(43) International Publication Date
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number
WO 2004/100104 A3

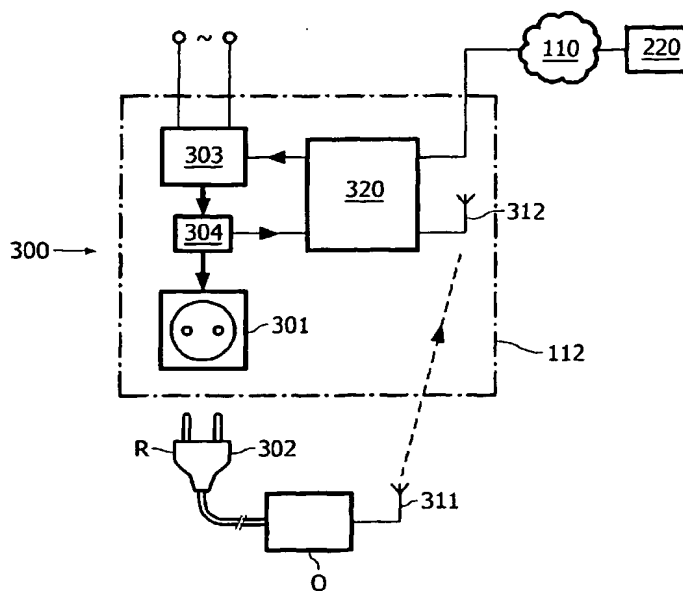
- (51) **International Patent Classification⁷:** **G08G 1/04**
- (21) **International Application Number:**
PCT/IB2004/050589
- (22) **International Filing Date:** **5 May 2004 (05.05.2004)**
- (25) **Filing Language:** **English**
- (26) **Publication Language:** **English**
- (30) **Priority Data:**
03101260.2 **7 May 2003 (07.05.2003)** **EP**
- (71) **Applicant (for all designated States except US):** **KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];**
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **COLAK, Sel, B. [US/NL];** **c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).** **DRAALJER, Maurice, H., J. [NL/NL];** **c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).**

DAMINK, Paulus, H., A. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **STASSEN, Maurice, L., A.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

- (74) **Agent:** SLENDERS, Petrus, J., W.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

- (54) Title: PUBLIC SERVICE SYSTEM



- (57) Abstract:** A public service system comprises: automatic request recognition means, capable of automatically recognizing a user request; automatic user identification means, capable of automatically identifying the requesting user; automatic authorization means, capable of automatically checking a user's authorisation; a wireless communication network (110) having a plurality of communication nodes (111, 112, 113, 114) capable of direct or indirect communication with each other; a central controller (120; 220) associated with at least one of said communication nodes; and request receiving means associated with at least one of said communication nodes.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Declaration under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,*

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
6 January 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050589

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G08G1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G08G G07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 101 64 657 A (BAYER RUDOLF) 1 August 2002 (2002-08-01)	1-12, 18
Y	abstract; figures 1A, 1C, 2, 15-17 column 4, line 56 - column 7, line 4 column 9, line 42 - column 11, line 27 column 26, line 30 - column 27, line 53 column 33, line 60 - line 67	13-17, 29
Y	DE 44 46 674 A (TELEDRIEVE TELEMATIK IM VERKEHR) 20 June 1996 (1996-06-20) column 2, line 42 - line 57	13-17
Y	US 6 127 925 A (TAGLIONI DIEGO ET AL) 3 October 2000 (2000-10-03) figure 1	29
A	& US 6 037 880 A (MANION JEFFREY CHARLES) 14 March 2000 (2000-03-14) column 3, line 17 - line 31; figure 1	1, 7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

13 August 2004

Date of mailing of the international search report

05. 11. 2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Wagner, U

INTERNATIONAL SEARCH REPORT

national application No.
PCT/IB2004/050589

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18, 29,30

A public service system, implemented as a parking system

2. claims: 19-28

A public service system implemented as a power provision
system

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB2004/050589

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 10164657	A	01-08-2002	DE 10164657 A1	01-08-2002
DE 4446674	A	20-06-1996	DE 4446674 A1	20-06-1996
US 6127925	A	03-10-2000	IT T0960183 A1	12-09-1997
			AT 188057 T	15-01-2000
			AU 709681 B2	02-09-1999
			AU 2042597 A	01-10-1997
			BR 9707987 A	27-07-1999
			CA 2247366 A1	18-09-1997
			DE 69700992 D1	27-01-2000
			DE 69700992 T2	18-05-2000
			EP 0886843 A1	30-12-1998
			ES 2140220 T3	16-02-2000
			GR 3032254 T3	27-04-2000
			WO 9734272 A1	18-09-1997
			SI 886843 T1	30-04-2000
			DK 886843 T3	08-05-2000
US 6037880	A	14-03-2000	CA 2227833 A1	22-07-1998